

Claims

[c1] Claim1. Method of using Digital thermal image against IR seek missile and IRST w HSS

Countermeasure Comprising: Database of thermal image, a laser dot scanning, mapping and projecting system mounted in airplane or vehicle.

[c2] Claim2. A missile threat detector controlled servo platform
close looped with scanning

Countermeasure.

[c3] Claim3. Vector thermal image computer database stores vector thermal image of all views of the airplane or vehicle, pictures should be taken by and all band width of IR camera, the vector image can be manipulated, skewed, scaled, rotated by computer image processing software and cooperated with missile threat detecting system.

[c4] Claim4. Digital image vector is controlled by missile
threading detector feedback signal,
the signal is indicating the incoming missile location.
System will send out a perfect
thermal image of that side of view overlap with the true
thermal image of the airplane.

[c5] Claim 5. After the IR missile get the laser thermal image, Countermeasure system will manipulate the laser thermal image, such as, skewing, scaling, rotating and swing, to deceive the missile orIRST/HSS and throw off the threats.

[c6] Claim 6. Map the laser dot in spatial and FPA. By using 3 Axis galvanometer based optical scanner Map different energy level laser dot line by line with high frame rate.

**[Digital laser dot map thermal image
decoy for Infrared countermeasure
against FPA based missile andIRST
w HSS]**